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(FILE 'HOME' ENTERED AT 16:03:53 ON 18 APR 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 16:04:20 ON 18 APR 2003

L1 338 S (KNOCKOUT OR NULL MUTANT?) (6A) RAT
L2 23115 S HOMOLOGOUS (W) RECOMBINATION
L3 1 S L1 AND L2
L4 0 S L3 AND ES (W) CELL

=> d bib ab 13

L3 ANSWER 1 OF 1 MEDLINE
AN 2003081733 IN-PROCESS
DN 22481042 PubMed ID: 12593606
TI Characterization of biologically active cell surface components of a periodontal pathogen. The roles of major and minor fimbriae of *Porphyromonas gingivalis*.
AU Umemoto Toshio; Hamada Nobushiro
CS Department of Oral Microbiology, Kanagawa Dental College, Yokosuka, Japan.. umemotot@kdcnet.ac.jp
SO JOURNAL OF PERIODONTOLOGY, (2003-Jan) 74 (1) 119-22.
Journal code: 8000345. ISSN: 0022-3492.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS IN-PROCESS; NONINDEXED; Dental Journals; Priority Journals
ED Entered STN: 20030221
Last Updated on STN: 20030221
AB BACKGROUND: We previously reported that the presence of 2 different types of fimbriae expressed on the cell surface of *Porphyromonas gingivalis* ATCC 33277. The initial event in most infectious diseases involves adhesion of pathogens to host tissues and subsequent invasion by the pathogens. To define the role of fimbriae in *Porphyromonas gingivalis* adherence to and invasion of epithelial cells, we have constructed fimbrial mutants. The involvement of *P. gingivalis* fimbriae in the invasion process and alveolar bone resorption in rats was examined. METHODS: Inactivated mutants of 41-K fimbrillin gene (*fimA*) and/or the 67-K fimbrillin gene (*mfal*) were constructed by a **homologous recombination** technique and compared among *fimA* mutant (MPG1), *mfal* mutant (MPG67), and double knockout mutant (MPG4167). Adherence and invasion of *P. gingivalis* was assessed in human oral epithelial KB cells. We used a rat model to examine the role of each type of fimbriae in alveolar bone loss by oral infection. RESULTS: The adherence and invasion levels of the mutants were lower than the wild-type strain. The bone loss of rats infected with the MPG1 was higher than that of those infected with MPG67. Moreover, the bone loss of **rats** infected with the double **knockout** mutant was significantly decreased compared to that of rats infected with the wild-type strain. CONCLUSIONS: Data from this study suggest that not only the 41-K fimbrial protein, but also the 67-K fimbrial protein, play important roles in the pathogenesis of periodontal disease.

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(FILE 'HOME' ENTERED AT 16:24:58 ON 18 APR 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 16:25:10 ON 18 APR 2003

L1 0 S (KNOCKOUT OR NULL(W)MUTANT?) (6A) (PTTG OR SECURIN)
L2 0 S (KNOCKOUT OR NULL(W)MUTANT?) (8A) (PTTG OR SECURIN)
L3 4 S (KNOCKOUT OR NULL(W)MUTANT?) (8A) (PTTG OR PTSG OR PITUITARY(W)
L4 1 DUP REM L3 (3 DUPLICATES REMOVED)

=> d bib ab 14

L4 ANSWER 1 OF 1 MEDLINE DUPLICATE 1
AN 2001256559 MEDLINE
DN 20575203 PubMed ID: 11133439
TI Mutation of the ptsG gene results in increased production of succinate in fermentation of glucose by Escherichia coli.
AU Chatterjee R; Millard C S; Champion K; Clark D P; Donnelly M I
CS Environmental Research Division, Argonne National Laboratory, Argonne, Illinois 60439, USA.
SO APPLIED AND ENVIRONMENTAL MICROBIOLOGY, (2001 Jan) 67 (1) 148-54.
Journal code: 7605801, ISSN: 0099-2240.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 200105
ED Entered STN: 20010521
Last Updated on STN: 20010521
Entered Medline: 20010517
AB Escherichia coli NZN111 is blocked in the ability to grow fermentatively on glucose but gave rise spontaneously to a mutant that had this ability. The mutant carries out a balanced fermentation of glucose to give approximately 1 mol of succinate, 0.5 mol of acetate, and 0.5 mol of ethanol per mol of glucose. The causative mutation was mapped to the ptsG gene, which encodes the membrane-bound, glucose-specific permease of the phosphotransferase system, protein EIICB(glc). Replacement of the chromosomal ptsG gene with an insertionally inactivated form also restored growth on glucose and resulted in the same distribution of fermentation products. The physiological characteristics of the spontaneous and null mutants were consistent with loss of function of the ptsG gene product; the mutants possessed greatly reduced glucose phosphotransferase activity and lacked normal glucose repression. Introduction of the null mutant into strains not blocked in the ability to ferment glucose also increased succinate production in those strains. This phenomenon was widespread, occurring in different lineages of E. coli, including E. coli B.

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(FILE 'HOME' ENTERED AT 15:17:15 ON 18 APR 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, SCISEARCH' ENTERED AT 15:17:29 ON 18 APR 2003

L1 17445 S (EMBRYONIC(W)STEM OR ES) (W)CELL
L2 128 S L1(5A) (SQUIRREL OR RAT OR GOPHER OR BEAVER OR WOODCHUCK OR HA
L3 106 S L1(3A) (SQUIRREL OR RAT OR GOPHER OR BEAVER OR WOODCHUCK OR HA
L4 0 S L1(3A) (GUINEA(W)PIG OR MARMOT OR VOLE OR AGOUTA)
L5 58 DUP REM L3 (48 DUPLICATES REMOVED)

=> d au ti so 1-58 l5

L5 ANSWER 1 OF 58 CAPLUS COPYRIGHT 2003 ACS
IN Economides, Aris N.; Dechiara, Thomas M.; Gale, Nicholas W.; Yancopoulos, George D.
TI Methods of expressing transgenes from exogenous promoters by targeting DNA vectors into predetermined ubiquitously expressed loci, and animals created from the targeted cells
SO PCT Int. Appl., 76 pp.
CODEN: PIXXD2

L5 ANSWER 2 OF 58 MEDLINE DUPLICATE 1
AU Min Jiang-Yong; Yang Yinke; Sullivan Matthew F; Ke Qingen; Converso Kimber L; Chen Yu; Morgan James P; Xiao Yong-Fu
TI Long-term improvement of cardiac function in rats after infarction by transplantation of embryonic stem cells.
SO JOURNAL OF THORACIC AND CARDIOVASCULAR SURGERY, (2003 Feb) 125 (2) 361-9.
Journal code: 0376343. ISSN: 0022-5223.

L5 ANSWER 3 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE 2
AU Buehr, M. (1); Nichols, J.; Stenhouse, F.; Mountford, P.; Greenhalgh, C. J.; Kantachuvesiri, S.; Brooker, G.; Mullins, J.; Smith, A. G.
TI Rapid loss of Oct-4 and pluripotency in cultured rodent blastocysts and derivative cell lines.
SO Biology of Reproduction, (January 2003, 2003) Vol. 68, No. 1, pp. 222-229. print.
ISSN: 0006-3363.

L5 ANSWER 4 OF 58 MEDLINE
AU Vogel Gretchen
TI Stem cell research. Rat brains respond to **embryonic stem cells**.
SO SCIENCE, (2002 Jan 11) 295 (5553) 254-5.
Journal code: 0404511. ISSN: 1095-9203.

L5 ANSWER 5 OF 58 CAPLUS COPYRIGHT 2003 ACS
IN Aoki, Masashi; Itoyama, Yasuto; Miyoshi, Ichiro; Kasai, Noriyuki
TI Transgenic rat model of ALS (amyotrophic lateral sclerosis), production of the rats, application of the rats for drug screening, and **embryonic stem cells of the rats**
SO Jpn. Kokai Tokkyo Koho, 28 pp.
CODEN: JKXXAF

L5 ANSWER 6 OF 58 MEDLINE DUPLICATE 3
AU Bjorklund Lars M; Sanchez-Pernaute Rosario; Chung Sangmi; Andersson Therese; Chen Iris Yin Ching; McNaught Kevin St P; Brownell Anna-Liisa; Jenkins Bruce G; Wahlestedt Claes; Kim Kwang-Soo; Isacson Ole
TI Embryonic stem cells develop into functional dopaminergic neurons after transplantation in a Parkinson rat model.
SO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, (2002 Feb 19) 99 (4) 2344-9.

Journal code: 7505876. ISSN: 0027-8424.

- L5 ANSWER 7 OF 58 MEDLINE DUPLICATE 4
AU Krivokharchenko Alexander; Galat Vassili; Ganten Detlev; Bader Michael
TI In vitro formation of tetraploid rat blastocysts after fusion of two-cell embryos.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (2002 Apr) 61 (4) 460-5.
Journal code: 8903333. ISSN: 1040-452X.
- L5 ANSWER 8 OF 58 MEDLINE DUPLICATE 5
AU Min Jiang-Yong; Yang Yinke; Converso Kimber L; Liu Lixin; Huang Qin; Morgan James P; Xiao Yong-Fu
TI Transplantation of embryonic stem cells improves cardiac function in postinfarcted rats.
SO JOURNAL OF APPLIED PHYSIOLOGY, (2002 Jan) 92 (1) 288-96.
Journal code: 8502536. ISSN: 8750-7587.
- L5 ANSWER 9 OF 58 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 6
AU Vogel, Gretchen
TI Stem cell research: Rat brains respond to **embryonic stem cells**
SO Science (Washington, DC, United States) (2002), 295(5553), 254-255
CODEN: SCIEAS; ISSN: 0036-8075
-
- L5 ANSWER 10 OF 58 MEDLINE DUPLICATE 7
AU Fandrich Fred; Lin Xiongbin; Chai Gui X; Schulze Maren; Ganten Detlev; Bader Michael; Holle Julia; Huang Dong-Sheng; Parwaresch Reza; Zavazava Nicholas; Binns Bert
TI Preimplantation-stage stem cells induce long-term allogeneic graft acceptance without supplementary host conditioning.
SO NATURE MEDICINE, (2002 Feb) 8 (2) 171-8.
Journal code: 9502015. ISSN: 1078-8956.
- L5 ANSWER 11 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Bjorklund, L. (1); Sanchez-Pernaute, R. (1); Chung, S. (1); Andersson, K. T. (1); Kim, K. S. (1); Isacson, D. O. (1)
TI **Embryonic stem cell** transplantation in a rat model of Parkinson's disease.
SO Developmental Brain Research, (31 March, 2002) Vol. 134, No. 1-2, pp. A42.
<http://www.elsevier.com/homepage/sah/bres/doc/journal4.htm>. print.
Meeting Info.: 4th Brain Research Interactive Symposium on Stem Cells in the Mammalian Brain San Diego, CA, USA November 08-10, 2001
ISSN: 0165-3806.
- L5 ANSWER 12 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Spielmann, Horst (1); Liebsch, Manfred (1)
TI Validation successes: Chemicals.
SO ATLA Alternatives to Laboratory Animals, (December 2002, 2002) Vol. 30, No. Supplement 2, pp. 33-40. print.
ISSN: 0261-1929.
- L5 ANSWER 13 OF 58 MEDLINE DUPLICATE 8
AU Sapkota G P; Kieloch A; Lizcano J M; Lain S; Arthur J S; Williams M R; Morrice N; Deak M; Alessi D R
TI Phosphorylation of the protein kinase mutated in Peutz-Jeghers cancer syndrome, LKB1/STK11, at Ser431 by p90(RSK) and cAMP-dependent protein kinase, but not its farnesylation at Cys(433), is essential for LKB1 to suppress cell growth.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (2001 Jun 1) 276 (22) 19469-82.
Journal code: 2985121R. ISSN: 0021-9258.
- L5 ANSWER 14 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Lee, J. M. (1); Wei, L. (1); Snider, J. (1); Cui, L. (1); Zipfel, G. J.; Rivkin, M. (1); Gottlieb, D. I.; Choi, D. W. (1)

- TI Survival, migration, and differentiation of **embryonic stem cells** transplanted into **rat** brains after transient global ischemia.
- SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 2, pp. 2302. print.
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001
ISSN: 0190-5295.
- L5 ANSWER 15 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
- AU Howard, M. J. (1); Chang, L. K. (1); Schottler, F. (1); St. Clair, A. M. (1); Adams, L. D. (1); Liu, S. (1); Stewart, T. J. (1); Holekamp, T. F. (1); Jacquin, M. F. (1); Gottlieb, D. I. (1); Johnson, E. M. (1); McDonald, J. W. (1)
- TI Apoptotic death of embryonic stem (ES) cell-derived neural cells occurs after dissociation in culture or transplantation into the injured spinal cord: Limiting cell death.
- SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 2, pp. 1563. print.
Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001
ISSN: 0190-5295.
- ~~L5 ANSWER 16 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.~~
- ~~AU Sanchez Pernaute, R. (1); Chen, I. (1); Brownell, A. L. (1); Jenkins, B. (1); Bjorklund, L. (1); Isacson, O. (1)~~
- ~~TI **Embryonic stem cell** transplantation in a **rat** model of Parkinson's disease III: Functional neuroimaging.~~
- ~~SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 970. print. Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001
ISSN: 0190-5295.~~
- L5 ANSWER 17 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
- AU Bjorklund, L. M. (1); Sanchez-Pernaute, R. (1); Chung, S. (1); Andersson, T. (1); McNaught, K. S. (1); Kim, K. S. (1); Isacson, O. (1)
- TI **Embryonic stem cell** transplantation in a **rat** model of Parkinson's disease. I: Dopamine cell differentiation and morphological integration.
- SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 970. print. Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001
ISSN: 0190-5295.
- L5 ANSWER 18 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
- AU McNaught, K. S. P. (1); Bjorklund, L. (1); Sanchez-Pernaute, S. (1); Kim, K. S. (1); Isacson, O. (1)
- TI **Embryonic stem cell** transplantation in a **rat** model of Parkinson's disease: II. Attenuation of levodopa-induced dyskinesias and amphetamine-induced rotational behavior.
- SO Society for Neuroscience Abstracts, (2001) Vol. 27, No. 1, pp. 970. print. Meeting Info.: 31st Annual Meeting of the Society for Neuroscience San Diego, California, USA November 10-15, 2001
ISSN: 0190-5295.
- L5 ANSWER 19 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE 9
- AU Schraermeyer, Ulrich (1); Thumann, Gabriele; Luther, Thomas; Kociok, Norbert; Arnhold, Stefan; Kruttwig, Klaus; Andressen, Christian; Addicks, Klaus; Bartz-Schmidt, Karl Ulrich
- TI Subretinally transplanted embryonic stem cells rescue photoreceptor cells from degeneration in the RCS rats.
- SO Cell Transplantation, (2001) Vol. 10, No. 8, pp. 673-680. print.
ISSN: 0963-6897.

L5 ANSWER 20 OF 58 MEDLINE DUPLICATE 10
 AU Peters T A; Tonnaer E L; Kuijpers W; Cremers C W; Curfs J H
 TI Developmental aspects of the rat endolymphatic sac and functional implications.
 SO ACTA OTO-LARYNGOLOGICA, (2001 Jan) 121 (2) 125-9.
 Journal code: 0370354. ISSN: 0001-6489.

L5 ANSWER 21 OF 58 CAPLUS COPYRIGHT 2003 ACS
 AU Fandrich, F.; Lin, X.; Schulze, M.; Zehle, G.; Kremer, B.; Bader, M.
 TI In vivo and in vitro investigations concerning the privileged immune status of embryonic stem cells and related therapeutic options
 SO Chirurgisches Forum fuer Experimentelle und Klinische Forschung (2001) 13-16
 CODEN: CFEKA7; ISSN: 0303-6227

L5 ANSWER 22 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AU Misra, Ravi P.; Bronson, Sarah K.; Xiao, Qi; Garrison, Wendy; Li, Jixuan; Zhao, Roong; Duncan, Stephen A. (1)
 TI Generation of single-copy transgenic mouse embryos directly from ES cells by tetraploid embryo complementation.
 SO BMC Biotechnology, (December 18, 2001) Vol. 1, No. 12 Cited May 5, 2002, pp. 1-9. <http://www.biomedcentral.com/content/pdf/1472-6750-1-12.pdf> cited June 4, 2002 <http://www.biomedcentral.com/1472-6750> online.
 ISSN: 1472-6750.

L5 ANSWER 23 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AU Kolkova, Kateryna; Novitskaya, Vera; Pedersen, Nina; Berezin, Vladimir; Bock, Elisabeth (1)
 TI Neural cell adhesion molecule-stimulated neurite outgrowth depends on activation of protein kinase C and the Ras-mitogen-activated protein kinase pathway.
 SO Journal of Neuroscience, (March 15, 2000) Vol. 20, No. 6, pp. 2238-2246. print..
 ISSN: 0270-6474.

L5 ANSWER 24 OF 58 MEDLINE DUPLICATE 11
 AU Pardo B; Honegger P
 TI Differentiation of **rat striatal embryonic stem cells** in vitro: monolayer culture vs. three-dimensional coculture with differentiated brain cells.
 SO JOURNAL OF NEUROSCIENCE RESEARCH, (2000 Feb 15) 59 (4) 504-12.
 Journal code: 7600111. ISSN: 0360-4012.

L5 ANSWER 25 OF 58 SCISEARCH COPYRIGHT 2003 ISI (R)
 AU Min J Y (Reprint); Yang Y K; Liu L X; Morgan J P; Xiao Y F
 TI Improvement of heart function in postinfarcted **rats** by transplantation of **embryonic stem cells**
 SO CIRCULATION, (31 OCT 2000) Vol. 102, No. 18, Supp. [S], pp. 35-35. MA 156. Publisher: LIPPINCOTT WILLIAMS & WILKINS, 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA.
 ISSN: 0009-7322.

L5 ANSWER 26 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AU Kawase, Eiichiro; Yoshimizu, Tomomi; Hashimoto, Koichiro (1)
 TI Effects of feeder cells on the establishment of **ES cells** from mice and **rats**: The difference between allogeneic and xenogeneic feeders.
 SO Journal of Reproduction and Development, (Feb., 2000) Vol. 46, No. 1, pp. 15-22.
 ISSN: 0916-8818.

L5 ANSWER 27 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. DUPLICATE 12

AU Min, Jiang-Yong (1); Yang, Yinke (1); Liu, Linxin (1); Morgan, James P.
 (1); Xiao, Yong-Fu (1)
 TI Improvement of heart function in postinfarcted **rats** by
 transplantation of **embryonic stem cells**.
 SO Circulation, (October 31, 2000) Vol. 102, No. 18 Supplement, pp. II.35.
 print.
 Meeting Info.: Abstracts from Scientific Sessions 2000 New Orleans,
 Louisiana, USA November 12-15, 2000
 ISSN: 0009-7322.

L5 ANSWER 28 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
 AU Wobus, Anna Magdalene (1); Franz, Wolfgang-Michael
 TI In vitro test for embryotoxic and teratogenic agents using
 differentiation-dependent reporter expression in pluripotent rodent
 embryonic cells.
 SO Official Gazette of the United States Patent and Trademark Office Patents,
 (Dec. 28, 1999) Vol. 1229, No. 4, pp. No pagination. e-file.
 ISSN: 0098-1133.

L5 ANSWER 29 OF 58 MEDLINE DUPLICATE 13
 AU McDonald J W; Liu X Z; Qu Y; Liu S; Mickey S K; Turetsky D; Gottlieb D I;
 Choi D W
 TI Transplanted embryonic stem cells survive, differentiate and promote
 recovery in injured rat spinal cord.
 SO NATURE MEDICINE, (1999 Dec) 5 (12) 1410-2.
 Journal code: 9502015. ISSN: 1078-8956.

L5 ANSWER 30 OF 58 CAPLUS COPYRIGHT 2003 ACS
 AU Jakobs, Petra M.; Smith, Lesley; Thayer, Mathew; Grompe, Markus
 TI Embryonic stem cells can be used to construct hybrid cell lines containing
 a single, selectable murine chromosome
 SO Mammalian Genome (1999), 10(4), 381-384
 CODEN: MAMGEC; ISSN: 0938-8990

L5 ANSWER 31 OF 58 CAPLUS COPYRIGHT 2003 ACS
 AU MacLean Hunter, Susan; Evans, Martin
 TI Non-surgical method for the induction of delayed implantation and recovery
 of viable blastocysts in rats and mice by the use of tamoxifen and
 Depo-Provera
 SO Molecular Reproduction and Development (1999), 52(1), 29-32
 CODEN: MREDEE; ISSN: 1040-452X

L5 ANSWER 32 OF 58 MEDLINE DUPLICATE 14
 AU Takahama Y; Ochiya T; Sasaki H; Baba-Toriyama H; Konishi H; Nakano H;
 Terada M
 TI Molecular cloning and functional analysis of cDNA encoding a rat leukemia
 inhibitory factor: towards generation of pluripotent **rat**
embryonic stem cells.
 SO ONCOGENE, (1998 Jun 18) 16 (24) 3189-96.
 Journal code: 8711562. ISSN: 0950-9232.

L5 ANSWER 33 OF 58 MEDLINE DUPLICATE 15
 AU Sun J; Waring M; Wang L; Li L; Painter D; Johnston B; Horvat M; Kelly G;
 Sheil R
 TI Engraftment of murine **embryonic stem cells**
 in neonatal **rats**.
 SO TRANSPLANTATION PROCEEDINGS, (1998 Nov) 30 (7) 2935-7.
 Journal code: 0243532. ISSN: 0041-1345.

L5 ANSWER 34 OF 58 MEDLINE DUPLICATE 16
 AU Stocum D L
 TI Regenerative biology and engineering: strategies for tissue restoration.
 SO WOUND REPAIR AND REGENERATION, (1998 Jul-Aug) 6 (4) 276-90. Ref: 116
 Journal code: 9310939. ISSN: 1067-1927.

L5 ANSWER 35 OF 58 CAPLUS COPYRIGHT 2003 ACS
 IN Dani, Christian; Chambers, Ian Paul; Beuhr, Mia Lydia; Smith, Austin
 Gerard
 TI embryonic stem cell renewal factor (ESRF), novel cytokine that inhibits
 differentiation of embryonic stem cells
 SO PCT Int. Appl., 57 pp.
 CODEN: PIXXD2

L5 ANSWER 36 OF 58 CAPLUS COPYRIGHT 2003 ACS
 IN Wobus, Anna M.; Franz, Wolfgang-Michael
 TI In-vitro method for embryotoxic/teratogenic screening of chemicals
 SO Ger. Offen., 6 pp.
 CODEN: GWXXBX

L5 ANSWER 37 OF 58 MEDLINE DUPLICATE 17
 AU Brenin D; Look J; Bader M; Hubner N; Levan G; Iannaccone P
 TI **Rat embryonic stem cells: a**
 progress report.
 SO TRANSPLANTATION PROCEEDINGS, (1997 May) 29 (3) 1761-5. Ref: 29
 Journal code: 0243532. ISSN: 0041-1345.

L5 ANSWER 38 OF 58 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 18
 AU ~~Brenin, David; Look, Jutta; Hubner, Norbert; Levan, Goran; Iannaccone,~~
~~Philip~~
 TI "Pluripotent **embryonic stem cells** from the
rat are capable of producing chimeras".
 SO Developmental Biology (1997), 185(1), 124-125
 CODEN: DEBIAO; ISSN: 0012-1606

L5 ANSWER 39 OF 58 CAPLUS COPYRIGHT 2003 ACS DUPLICATE 19
 AU Newall, D. R.; Beedles, K. E.
 TI The stem-cell test: an in vitro assay for teratogenic potential. Results
 of a blind trial with 25 compounds
 SO Toxicology in Vitro (1996), 10(2), 229-240
 CODEN: TIVIEQ; ISSN: 0887-2333

L5 ANSWER 40 OF 58 SCISEARCH COPYRIGHT 2003 ISI (R)
 AU NEWALL D R (Reprint); BEEDLES K E
 TI THE STEM-CELL TEST - AN IN-VITRO ASSAY FOR TERATOGENIC POTENTIAL - RESULTS
 OF A BLIND TRIAL WITH 25 COMPOUNDS
 SO TOXICOLOGY IN VITRO, (APR 1996) Vol. 10, No. 2, pp. 229.
 ISSN: 0887-2333.

L5 ANSWER 41 OF 58 MEDLINE DUPLICATE 20
 AU McWhir J; Schnieke A E; Ansell R; Wallace H; Colman A; Scott A R; Kind A J
 TI Selective ablation of differentiated cells permits isolation of embryonic
 stem cell lines from murine embryos with a non-permissive genetic
 background.
 SO NATURE GENETICS, (1996 Oct) 14 (2) 223-6.
 Journal code: 9216904. ISSN: 1061-4036.

L5 ANSWER 42 OF 58 MEDLINE DUPLICATE 21
 AU Charreau B; Tesson L; Soullillou J P; Pourcel C; Anegon I
 TI Transgenesis in rats: technical aspects and models.
 SO TRANSGENIC RESEARCH, (1996 Jul) 5 (4) 223-34. Ref: 75
 Journal code: 9209120. ISSN: 0962-8819.

L5 ANSWER 43 OF 58 CAPLUS COPYRIGHT 2003 ACS
 IN Iannoccone, Philip M.
 TI Method for generation of **rat pluripotent embryonic**
stem cells for preparation of transgenic rats homozygous
 for a particular allele
 SO PCT Int. Appl., 67 pp.

CODEN: PIXXD2

- L5 ANSWER 44 OF 58 MEDLINE DUPLICATE 22
AU Takahashi A; Takahashi Y; Matsumoto K; Miyata K
TI Synergistic effects of insulin-like growth factor II (IGF-II) with leukemia inhibiting factor (LIF) on establishment of rat pluripotential cell lines.
SO JOURNAL OF VETERINARY MEDICAL SCIENCE, (1995 Jun) 57 (3) 553-6.
Journal code: 9105360. ISSN: 0916-7250.
- L5 ANSWER 45 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Brenin, D.; Iannaccone, P.
TI **Rat embryonic stem cell line**
RESC-01-beta-geo forms chimeras with multiple developmental anomalies.
SO FASEB Journal, (1995) Vol. 9, No. 3, pp. A549.
Meeting Info.: Experimental Biology 95, Part I Atlanta, Georgia, USA April 9-13, 1995
ISSN: 0892-6638.
- L5 ANSWER 46 OF 58 SCISEARCH COPYRIGHT 2003 ISI (R)
AU BRENIN D (Reprint); IANNACCONI P
TI **RAT EMBRYONIC STEM-CELL LINE**
RESC-01-BETA-GEO FORMS CHIMERAS WITH MULTIPLE DEVELOPMENTAL ANOMALIES
SO FASEB JOURNAL, (09 MAR 1995) Vol. 9, No. 3, Part 1, pp. A549.
ISSN: 0892-6638.
- L5 ANSWER 47 OF 58 MEDLINE DUPLICATE 23
AU Ouhibi N; Sullivan N F; English J; Colledge W H; Evans M J; Clarke N J
TI Initial culture behaviour of rat blastocysts on selected feeder cell lines.
SO MOLECULAR REPRODUCTION AND DEVELOPMENT, (1995 Mar) 40 (3) 311-24.
Journal code: 8903333. ISSN: 1040-452X.
- L5 ANSWER 48 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Kawase, E. (1); Yoshimizu, T.; Hashimoto, K. (1)
TI Effects of feeder cells on establishment of **ES cells** from **rats**.
SO Zoological Science (Tokyo), (1995) Vol. 12, No. SUPPL., pp. 67.
Meeting Info.: Sixty-sixth Annual Meeting of the Zoological Society of Japan Tokyo, Japan September 15-17, 1995
ISSN: 0289-0003.
- L5 ANSWER 49 OF 58 CAPLUS COPYRIGHT 2003 ACS
IN Dyer, Shanny Leigh; Jennings, Philip; Lockett, Trevor; Heath, John Kaye
TI Method for maintaining embryonic stem cells and avian factor useful for same
SO PCT Int. Appl., 53 pp.
CODEN: PIXXD2
- L5 ANSWER 50 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
AU Takahashi, Yumi; Takahashi, Akio; Matsumoto, Kazuya; Nakagata, Naomi; Anzai, Masayuki; Miyata, Kenji
TI Establishment of pluripotential cell lines from inner cell mass of rat blastocysts.
SO Animal Science and Technology, (1994) Vol. 65, No. 9, pp. 826-833.
- L5 ANSWER 51 OF 58 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.
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